

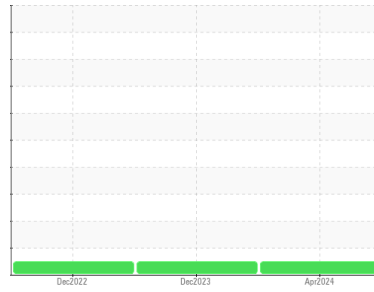


COOLANT REPORT



Area
COLORADO/443/SKIDSTEER
 Machine Id
53.173L [COLORADO^443^SKIDSTEER]
 Component
Coolant
 Fluid
CATERPILLAR ELC (4 GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service.

Corrosion

All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0883942	WC0859583	WC0741776
Sample Date	Client Info			03 Apr 2024	04 Dec 2023	13 Dec 2022
Machine Age	hrs	Client Info		1242	1102	3
Oil Age	hrs	Client Info		1242	1102	3
Oil Changed	Client Info			Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			---	---	---
Specific Gravity	*ASTM D1298			1.067	1.066	1.066
pH	Scale 0-14	ASTM D1287		9.14	9.31	8.40
Nitrites	ppm	AP-053:2009		524	560	748
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		49.6	49.0	48.9
Freezing Point	°F	ASTM D3321		-33	-33	-31
Total Dissolved Solids				286.5	318.0	340.5
Carboxylate				fail	fail	fail

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	2	18	32
Phosphorus	ppm	ASTM D6130	0	0	0	86
Boron	ppm	ASTM D6130	0	0	0	6
Molybdenum	ppm	ASTM D6130	950	545	154	889

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	0	0	<1
Aluminum	ppm	ASTM D6130	>10	3	6	<1
Copper	ppm	ASTM D6130	>10	<1	<1	<1
Lead	ppm	ASTM D6130	>10	<1	<1	<1
Tin	ppm	ASTM D6130	>10	<1	<1	<1
Zinc	ppm	ASTM D6130		0	0	<1

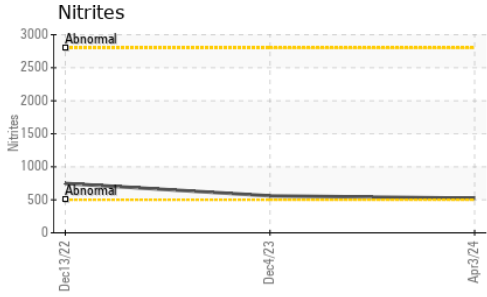
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		16	19	35






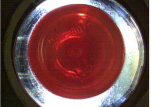
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		3662	3142	5557
Potassium	ppm	ASTM D6130		563	904	541

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		0	<1	4
Magnesium	ppm	ASTM D6130		<1	0	1

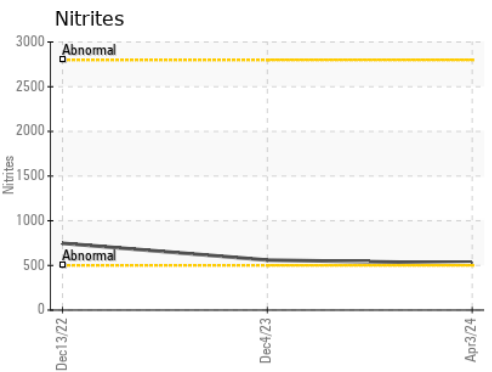
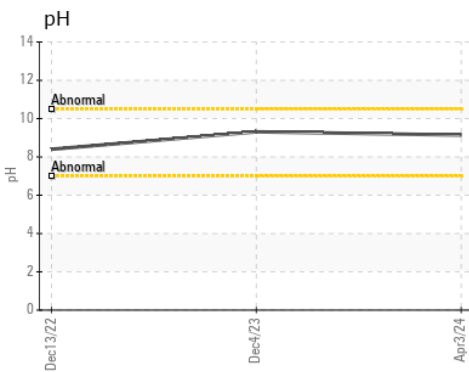
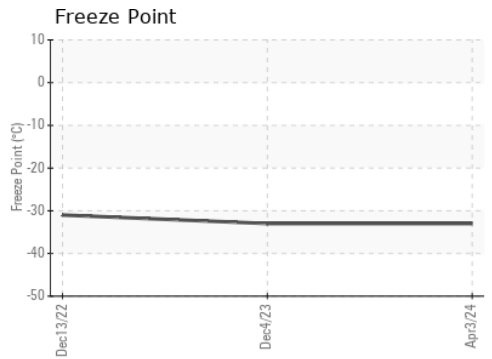
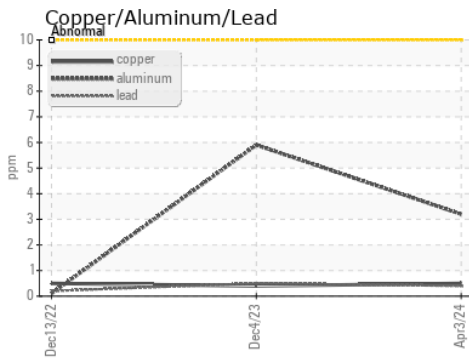
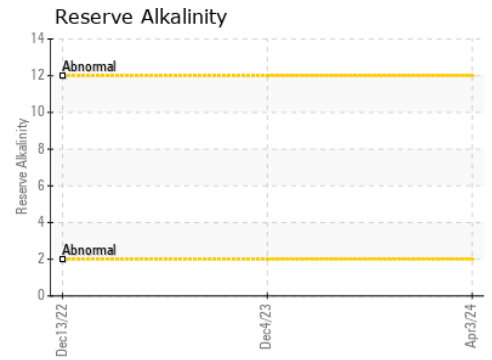
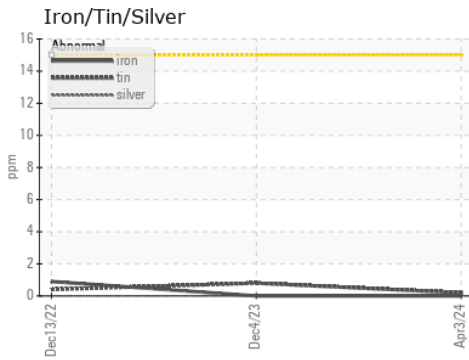


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Orange	Red	Red
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0883942 **Received** : 08 Apr 2024
Lab Number : 06142671 **Tested** : 11 Apr 2024
Unique Number : 10967479 **Diagnosed** : 11 Apr 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

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To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)